ДОДАТОК 2

Код мікроконтролера блоку зняття електричних даних

```
#include <SPI.h>
#include <Ethernet.h>

byte mac[] = { 0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED };
char server[] = "http://169.254.0.180/solar_api/v1/GetInverterRealtimeData.cgi";

// Set the static IP address to use if the DHCP fails to assign
IPAddress ip(192, 168, 0, 177);
EthernetClient client;

void setup() {
	// Open serial communications and wait for port to open:
	Serial.begin(9600);

	// start the Ethernet connection:
	if (Ethernet.begin(mac) == 0) {
		Serial.println("Failed to configure Ethernet using DHCP");
		// try to congifure using IP address instead of DHCP:
		Ethernet.begin(mac, ip);
	}

	// give the Ethernet shield a second to initialize:
	delay(1000);
	Serial.println("connecting...");

	// if you get a connection, report back via serial:
	if (client.connect(server, 80)) {
		Serial.println("connected");
		// Make a HTTP request:
		client.println("GET /search?q=arduino HTTP/1.1");
		client.println("Host: www.google.com");
		client.println("Connection: close");
		client.println();
	} else {
		// if you didn't get a connection to the server:
		Serial.println("connection failed");
	}
}

void loop() {
	// if there are incoming bytes available
	// from the server, read them and print them:
	if (client.available()) {
		char c = client.read();
		Serial.print(c);
	}
```

```
        // if the server's disconnected, stop the client:
        if (!client.connected()) {
                Serial.println();
                Serial.println("disconnecting.");
                client.stop();

                // do nothing
                delay(1000);
        }
}
```